

Big Sandy River Watershed Watch Parameters

Date:	Aug. 26 and Oct. 14, 1999	Mar. 30 and July 26, 2000	All Eleven Events 2001 through 2004	Limits	KY ave
FC	Fecal coliform	Fecal coliform	Fecal coliform	200 PCR, 2000 DWS	< 200
TSS	Settleable solids	Suspended solids	Suspended solids	NC	42
COD	Chemical oxygen demand				
BOD	Biochemical oxygen demand				
C	Oil and grease	Volatile organic contaminants			
SO ₄ ²⁻	Sulfate	Sulfate	Sulfate	< 250 DWS	63
NH ₃ /NH ₄ ⁺	Ammonia nitrogen	Ammonia nitrogen	Ammonia nitrogen	< 1.0	0.15
SPC		Specific conductivity	Specific conductivity	< 800	335
Fe		Total iron	Total iron	< 1.0	1.34
P		Total phosphorus	Total phosphorus	NC	0.15
PO ₄ ³⁻		Phosphate	Phosphate	NC	
NO ₃ ⁻ -N		Nitrate nitrogen	Nitrate nitrogen	< 10 DWS	0.85
Cl ⁻		Chloride	Chloride	< 600, 250 DWS	13
pH			pH	6.0 – 9.0 WAH 6.5 – 8.5 DWS	7.4
Acidity			Acidity		
Alkalinity			Alkalinity	> 20	90.1
Hardness			Hardness	NC	138.5
	McCoy & McCoy	J & M Monitoring	J & M Monitoring, Envirodata		

NC = no criteria established, WAH = warm water aquatic habitat, DWS = domestic water supply.

All units are mg/L (parts per million) except coliforms: colonies per 100 mL of water; conductivity: micro-mhos per cm², and hardness: mg/L CaCO₃